

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-190272

(43)Date of publication of application : 08.07.2003

(51)Int.CI.

A61L 27/00
C25D 11/26

(21)Application number : 2002-302167

(71)Applicant : KOKUBO TADASHI
NAKAMURA TAKASHI
ION KOGAKU SHINKO ZAIDAN
KOBE STEEL LTD

(22)Date of filing : 16.10.2002

(72)Inventor : KOKUBO TADASHI
NAKAMURA TAKASHI
KIN GENBIN
SUZUKI JUN
MATSUSHITA TOMIHARU
SASAKI YOSHIO

(30)Priority

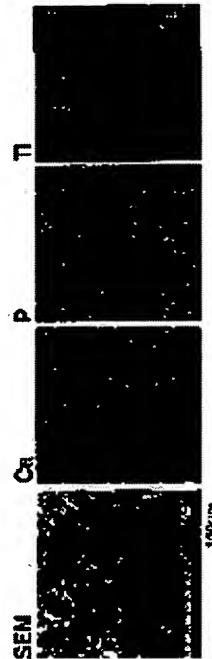
Priority number : 2001319187 Priority date : 17.10.2001 Priority country : JP

(54) BONE SUBSTITUTE MATERIAL HAVING EXCELLENT AFFINITY AND MANUFACTURING METHOD THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a bone substitute material having excellent affinity by forming a strong organism active layer usable in an organism for a long period on a member, at least the surface of which is formed of titanium or titanium alloy by anodic oxidation method and a manufacturing method therefor.

SOLUTION: After a base material, at least the surface of which is formed of titanium or titanium alloy is washed and dried, anodic oxidation is performed taking a sample as an anode in an acidic solution, or heat treatment is performed subsequently to the anodic oxidation, thereby forming anodic oxidation layer having organism activity on the surface of the base material so as to manufacture bone substitute material having excellent affinity.



LEGAL STATUS

[Date of request for examination] 26.01.2005

[Date of sending the examiner's decision of rejection]

BEST AVAILABLE COPY

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

BEST AVAILABLE COPY